

Release Notes for Cisco ConfigMaker Version 2.6 Application

These Release Notes provide information about using the Cisco ConfigMaker V2.6 application and contain the following sections:

- Introduction
- Key Features
- What's New in Version 2.6
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To download the application or obtain more information about Cisco ConfigMaker, see the Cisco ConfigMaker Home Page on the Internet at the following URL: http://www.cisco.com/go/configmaker.

Introduction

Cisco ConfigMaker is an easy-to-use Microsoft Windows 98, Windows Me, Windows 2000, Windows XP, and Windows NT 4.0-based application that configures Cisco routers, switches, hubs, and other devices. Using a graphical user interface (GUI), you draw your network and then Cisco ConfigMaker creates the Cisco IOS configuration files for the devices on your network without requiring knowledge of the Cisco IOS command-line interface (CLI). In addition, you can use Cisco ConfigMaker as an off-line tool. You can draw and configure your entire network without having the devices on-hand until you are ready to deliver the configuration files to them.

Cisco ConfigMaker does not configure every IOS parameter or support every IOS feature. Rather, it helps you get your device up and running by supporting the most common features.



To start Cisco ConfigMaker, double-click the Cisco ConfigMaker icon on your desktop, or select **Start > Programs > Cisco ConfigMaker V2.6** from the Windows task bar.

Key Features

Feature	Cisco ConfigMaker Support	
Devices	• Routers—Cisco 800, 1000, 1600, 1700, 2500, 2600, 3600, and 4000 (excluding routers with token ring)	
	Switches—Cisco 1548, 1548M Micro Switch 10/100	
	Hubs—Cisco 1538, 1538M, Cisco FastHub 412, 412M, 424, 424M	
	Micro Hub 10/100 Stacks—Cisco Micro Hub Stack, Cisco FastHub Stack	
	Other—Cisco Cache Engine (only configures Web Cache Communication Protocol (WCCP) version 1 on the router)	
Cisco IOS	Routers—Cisco IOS Release 11.2 or higher	
	Other devices—any release	
LAN Connections	Ethernet, Fast Ethernet	
WAN Connections	• ISDN BRI, ISDN PRI, ISDN leased-line (for Cisco 1603 and 1604 only)	
	• Frame relay, Point-to-Point Protocol (PPP), High Level Data Link Control (HDLC), asynchronous, PPP over Ethernet (PPPoE) for Cisco 1700 series routers only, and voice line	
	• POTS (for Cisco 800 series routers)	
Routing Protocols	EIGRP, RIP version 2, Static Routing (IP only)	
Routed Protocols	IP, IPX, AppleTalk Phase 2	
Virtual Private	Configures IPSec and Internet Key Exchange (IKE).	
Network (VPN)	• Uses pre-shared key method for authentication; configure hashing method, encryption method, security association (SA) timeout values.	
	Draws VPN connections between point-to-point sites.	
Quality of Service (QoS)	Configures QoS settings on WAN interfaces to prioritize voice traffic.	
	Configures Committed Access Rate (CAR) to limit bandwidth for certain sites and applications.	

Firewall	Cisco IOS Firewall feature set		
	Context-Based Access Control (CBAC)		
	Global timer values		
	DOS attach thresholds		
	Java blocking		
	Access lists		
	Enable/disable audit trail		
	Note If you do not have the Cisco IOS firewall feature set,		
	ConfigMaker configures access lists only.		
	Note ConfigMaker applies firewall configuration to the router connected to the Internet or corporate network or any <i>one</i> router if there is no Internet or corporate network.		
Voice	Supports voice-over-IP (VoIP) connection to telephones, facsimiles, PBX, and Public Switched Telephone Network (PSTN).		
	Supports an analog telephone connection to the Cisco 803 and 804 routers.		
	Supports 2BRI-NT/TE voice interface cards (VICs) on Cisco 1751 router only.		
	Configures QoS settings on WAN interfaces to prioritize traffic.		
	• Caller ID capability on VIC-2FXO-M1, VIC-2FXO-M2, VIC-2DID/FXS, and VIC-2FXS (for 1700 series only).		
	Direct Inward Dialing (DID) capability on VIC-2DID/FXS.		
Addressing	Network Address Translation (NAT), Easy IP (Phase 1)		
Backup	Backs up a Frame Relay, PPP, HDLC, or ISDN leased line connection with a dial-up, ISDN, or another serial connection.		
Simple Network Management Protocol (SNMP)	Configures read community string, read-write community string, and SNMP trap manager.		
Dynamic Host Control Protocol (DHCP)	Configures DHCP server or DHCP relay.		
CSU/DSU	Configures CSU/DSU module (not supported on ISDN PRI network modules).		
Configuration	Delivers using the console port.		
Delivery	Delivers over the network if device has an IP address.		
Other	Number of virtual terminals		
Configurations	Message-of-the-day (MOTD) banner		
	IP domain name lookup		
	HTTP server		

Other Features	AutoDetect Device Wizard—automatically identifies your device.
	IP subnet calculator—calculates IP and subnet masks.
	Ping device—pings any address on your network.
	• Issue show commands—runs show commands on your router.
	WAN configuration worksheets—assists in gathering data for your connection.
	Instant Upgrade—easily upgrades Cisco ConfigMaker.
	Cisco ConfigMaker Tutorial—guide to using Cisco ConfigMaker.
System	80486 or Pentium-class computer
Requirements	• Windows 98, Windows Me, Windows 2000, Windows XP, or Windows NT 4.0 with at least Service Pack 3
	• 16 MB RAM
	• 20 MB hard disk space
	800 x 600 pixels display with 256 colors

Benefits

- Sets up your router by simply configuring a few wizards. This requires no knowledge of the Cisco IOS CLI.
- Connects you to the internet with the following features:
 - IPSec and IKE to create a tunnel between two sites for a VPN
 - Committed Access Rate (CAR) for QoS in bandwidth management
 - Cisco IOS firewall and access lists for security
 - Network Address Translation (NAT) and Easy IP for addressing
 - WCCP version 1 for redirecting web traffic to the Cisco Cache Engine to reduce downloading time
- Configures your data network to support VoIP with the following features:
 - Telephones, faxes, Private Branch Exchange (PBX) systems and/or the PSTN
 - QoS for VoIP
- Incorporates a router with an existing configuration into your network by using the new Read Configuration Wizard.
- Contains an extensive online help system, context-sensitive help, and a tutorial on how to use Cisco ConfigMaker.

What's New in Version 2.6

The new features in Cisco ConfigMaker V2.6 application are as follows:

The following features are new to the Cisco ConfigMaker V2.6 application:

- Configuration of the Cisco 1721 router
- Configuration of the Cisco 1760 router
- Configuration of the WIC-1ENET interface card in any of the WIC slots in a Cisco 1700 series modular router
- Addition of sample configuration files

System Requirements

Cisco ConfigMaker has the following minimum and recommended system requirements:

- · Minimum System Requirements
 - 80486 or Pentium class computer
 - Minimum of 32MB of RAM and 20 MB of hard-disk space
 - SVGA monitor with a minimum of 800 x 600 pixel display and 256 colors
 - Windows 98, Windows Me, Windows 2000, Windows XP, or Windows NT 4.0 with at least Service Pack 3
- · Recommended Requirements
 - Netscape navigator 4.0 or higher or Microsoft Internet Explorer 4.0 or higher
 - Internet connection on PC running Cisco ConfigMaker

Supported Cisco IOS Software Releases

Cisco ConfigMaker supports routers running Cisco IOS Release 11.2 or above. It supports any version of the hubs, switches, and the Cisco Cache Engine.

Supported Devices and Modules

Cisco ConfigMaker supports the following Cisco devices, network modules, WAN interface cards (WICs), and voice interface cards (VICs):

Table 1 Cisco Devices

Series	Routers
Cisco 800 series	801, 802, 803, 804, 805, 811, 813
Cisco 1000 series	1003, 1004, 1005
Cisco 1600 series	1601, 1602, 1603, 1604, 1605
Cisco 1700 series	1710, 1720, 1721, 1750, 1751, 1760

Table 1 Cisco Devices (continued)

Series	Routers
Cisco 2500 series	2501, 2503, 2505, 2507, 2509, 2509-RJ, 2511, 2511-RJ, 2514, 2516, 2520, 2522, 2524
Cisco 2600 series	2610, 2611, 2620, 2621
Cisco 3600 series	3620, 3640
Cisco 4000 series	4000, 4500-M, 4700, 4700-M

Table 2 1600 Network Interface Cards

WICs	
1 Serial	1 ISDN BRI (U, S/T)
1 56/64-kbps CSU/DSU	1 ISDN BRI (S/T) LL (Cisco 1603 and 1604 only)
1 T1 CSU/DSU	

Table 3 1700 Network Interface Cards

WICs		
1 Serial	1 T1 CSU/DSU	
2 Serial	2 Async/sync	
1 56/64-kbps CSU/DSU	1 ISDN BRI (U, S/T)	
1 Ethernet	1 ADSL WIC (hardware detection only)	
VICs (for Cisco 1750, Cisco 1751, and Cisco 1760 routers only)		
2 Voice FXS	2 Voice BRI-NT/TE	
2 Voice FXO	2 Voice E/M	
2 Voice FXO-M1	2 Voice FXO-M2	
2 Voice FXO-M3	2 Voice DID/FXS	

Table 4 2524 Network Interface Cards

WICs	
5-in-1 Serial	2-wire 56/64-kbps CSU/DSU
T1 CSU/DSU	4-wire 56/64-kbps CSU/DSU
ISDN BRI (U, S/T)	

Table 5 2600 Network Interface Cards

Network Modules	
1 Ethernet	2 E1 ISDN PRI
4 Ethernet	4 Async/sync
4 ISDN BRI (U, S/T)	8 Async/sync
8 ISDN BRI (U, S/T)	16 Async
1 T1 ISDN PRI	32 Async
2 T1 ISDN PRI	1-slot VIC
1 E1 ISDN PRI	2-slot VIC
WICs	
1 Serial	1 T1 CSU/DSU
2 Serial	2 Async/sync
1 56/64-kbps CSU/DSU	1 ISDN BRI (U, S/T)
VICs	1
2 Voice FXS	2 Voice E/M
2 Voice FXO	

Table 6 3600 Network Interface Cards

Network Modules		
4 Ethernet	1 10/100 Ethernet, 2 T1/ISDN PRI	4 Async/sync
1 Ethernet, 2 WAN slot	1 10/100 Ethernet, 1 E1/ISDN PRI	8 Async/sync
2 Ethernet, 2 WAN slot	1 10/100 Ethernet, 2 E1/ISDN PRI	16 Async
1 Fast Ethernet	1 T1 ISDN PRI	32 Async
Compression module	2 T1 ISDN PRI	1-slot VIC
4 ISDN BRI (U, S/T)	1 E1 ISDN PRI	2-slot VIC
8 ISDN BRI (U, S/T)	2 E1 ISDN PRI	
WICs		
1 Serial	1 56/64 kbps CSU/DSU	1 T1 CSU/DSU
1 ISDN BRI (U, S/T) {WIC - 1B}	1 ISDN BRI (U, S/T) {WIC36-1B}	
VICs		•
2 Voice FXS	2 Voice FXO	2 Voice E/M

Table 7 4000 Network Interface Cards

Network Modules		
2 Ethernet	4 ISDN BRI (U, S/T)	2 Serial
6 Ethernet	8 ISDN BRI (U, S/T)	4 Serial
1 Fast Ethernet	1 T1 ISDN PRI	2 Serial, 16 Async/sync
	1 E1 ISDN PRI	

Table 8 Hubs and Switches

Series	Hubs
Cisco 1500 series	Cisco 1538, 1538M Micro Hub 10/100
Cisco FastHub 400 series	Cisco FastHub 412, 412M, 424, 424M
Cisco Micro Hub stack	Cisco Micro Hub 10/100 stack
Series	Switches
Cisco 1500 series	Cisco 1548, 1548M Micro Switch 10/100

Table 9 Other Devices Supported by Cisco ConfigMaker

Nonconfigurable Devices	
Internet	Dial-in PCs (modem), refers to one or more PCs
Corporate network	Dial-in PCs (ISDN), refers to one or more PCs
Ethernet LAN	Host
Voice Devices	
Telephone	Fax machine
Private Branch Exchange (PBX)	Public Service Telephone Network (PSTN)
Internet/Intranet Devices	
Cisco Cache Engine (only configures WCCP on routers)	

Current Documentation

The following documents are available for Cisco ConfigMaker:

- Accessing the Cisco ConfigMaker V2.6 Application is the only hard-copy document included with the product. This document lists the key features and system requirements, and it provides downloading instructions for the Cisco ConfigMaker V2.6 application.
- Getting Started with Cisco ConfigMaker is an online-only document. This document provides information about installing the software and adding devices, LAN segments, and connections.
- An extensive online help system and an online tutorial that shows how to use Cisco ConfigMaker.

Caveats / Troubleshooting

• I do a *Read Configuration* on my router. The next time I deliver to it, Cisco ConfigMaker says the passwords are not correct. The asterisk shows a different amount of characters than my actual passwords.

Workaround: By default, password encryption is enabled on the router. When it reads the configuration, the encrypted passwords are read in and stored. In this case, Cisco ConfigMaker no longer stores the actual (unencrypted) password. Simply enter your password and delivery will go through.

• I run the Cisco ConfigMaker Tutorial and while it's loading, I click in the Cisco ConfigMaker window. The tutorial window is put in the background. The colors are not correct when you click on the tutorial

Workaround: To fix the color problem, switch between the Cisco ConfigMaker window and the tutorial window again. Cisco ConfigMaker requires at least a 256-color display.

- In the Firewall Wizard, if you allow access to all services or deny access to all services, there is no warning about requiring ICMP access in both directions (client to server and server to client).
- On a Cisco 1005 or Cisco 1605, I configure the serial interface for async, which this IOS image supports, and then change the interface to sync. I deliver the configuration using network delivery. It does not change the interface to sync.

Workaround: Either use console delivery or recreate the device again.

- I deliver the configuration to a Cisco 1548M switch and it fails.
 - **Workaround:** The Cisco 1548M switch requires a slower baud rate to communicate with this device. Log into the console using a telecommunications program like Windows HyperTerminal. Set the baud rate to 2400. Now select the device in Cisco ConfigMaker and press the F5 key to see the configuration. Press Ctrl-A to select all of the text and Ctrl-C to copy the text to the clipboard. Then paste the contents of the clipboard in your console window. In HyperTerminal, this is Ctrl-V. [CSCdm28809]
- I cannot remove the default SNMP community strings on the Cisco 1548M switch. When I remove the community strings, the community string public is still set for the read community string and the string private is still set for the read/write community string.

Workaround: To remove the community strings entirely, log into the device and enter no snmp-server community <string>. [CSCdm30548]

• On Windows 95/98, the Deliver Configuration Wizard Preview page is missing the Delete, Move Up, and Move Down buttons.

Workaround: Select the devices you want to deliver before running the Deliver Configuration Wizard. You will not be able to specify the order of delivery. [CSCdk23390]

• For the Cisco 800 routers, Cisco ConfigMaker does not configure the ISDN connection for more than one telephone number.

Workaround: Manually enter IOS commands to configure the ISDN connection for other telephone numbers by using "Append config commands..." option in the Configuration tab in the Device Properties dialog box. [CSCdk64411]

• AutoDetect or read back the configuration from the router 17xx loaded with the IOS image set c1700-bk8no3r2sy-mz.122-1b.bin and then deliver the configuration. The following error occurs while delivering the configuration to the router:

```
Context : Interface configuration mode

Command : ip kerberos source-interface any

Error : ^

Invalid input detected at '^' marker.
```

Workaround: This is because of an IOS bug and has been fixed in the IOS version 12.2 and later. Following are some of the integrated versions: 12.2(03.04)PB, 12.2(00.18)S, 12.1(05)XV02, 12.2(00.10)PI01, 12.2(00.08)PI01, 012.002(000.010), 12.1(05)YB 12.2(00.08)T. [CSCdv07448]

- I configured the 1751 router's Fast Ethernet Interface for a PPPoE Connection to Internet and delivered the configuration to the router. The PPPoE Configuration doesn't work.
 Workaround: This is because of an IOS bug. The workaround is to configure PPPoE on 10BaseT (WIC-1ENET) interface and use Fast Ethernet interface for LAN connection. [CSCdu20199]
- I configured a DID-FXS interface in FXS mode in my router and read back the configuration after
 administratively shutting down the interface through CLI. In the Network Diagram, the interface is
 in DID Trunk mode as connected to PSTN instead of FXS mode.
 Workaround: Configure the interface in no shutdown stage. Log into the device and enter the
- I entered the enable secret password in the Passwords page of the Device Properties with the option "Password fields contains encrypted password" checked. Then I tried to deliver the configuration to my router.

The following error occurred while delivering the configuration to the router:

command "no shutdown" under the corresponding voice interface. [CSCdv28664]

```
Context : Global configuration mode
Command : enable secret 5 mypassword
Error :
ERROR : The secret you entered is not a valid encrypted secret
```

Workaround: Enter your enable secret password in the Passwords page of the Device Properties with the option "Password fields contains encrypted password" unchecked, the delivery will go through. [CSCdv33622]

For help on troubleshooting other problems, select **Help > Troubleshooting Guide...** from the menu bar of the Cisco ConfigMaker application.

Obtaining Cisco Documentation

The following sections explain how to obtain documentation from Cisco Systems.

World Wide Web

You can access the most current Cisco documentation on the World Wide Web at the following URL:

http://www.cisco.com

Translated documentation is available at the following URL:

http://www.cisco.com/public/countries_languages.shtml

Documentation CD-ROM

Cisco documentation and additional literature are available in a Cisco Documentation CD-ROM package, which is shipped with your product. The Documentation CD-ROM is updated monthly and may be more current than printed documentation. The CD-ROM package is available as a single unit or through an annual subscription.

Ordering Documentation

Cisco documentation is available in the following ways:

 Registered Cisco Direct Customers can order Cisco product documentation from the Networking Products MarketPlace:

http://www.cisco.com/cgi-bin/order/order_root.pl

 Registered Cisco.com users can order the Documentation CD-ROM through the online Subscription Store:

http://www.cisco.com/go/subscription

 Nonregistered Cisco.com users can order documentation through a local account representative by calling Cisco corporate headquarters (California, USA) at 408 526-7208 or, elsewhere in North America, by calling 800 553-NETS (6387).

Documentation Feedback

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You can e-mail your comments to bug-doc@cisco.com.

To submit your comments by mail, use the response card behind the front cover of your document, or write to the following address:

Cisco Systems Attn: Document Resource Connection 170 West Tasman Drive San Jose, CA 95134-9883

We appreciate your comments.

Obtaining Technical Assistance

Cisco provides Cisco.com as a starting point for all technical assistance. Customers and partners can obtain documentation, troubleshooting tips, and sample configurations from online tools by using the Cisco Technical Assistance Center (TAC) Web Site. Cisco.com registered users have complete access to the technical support resources on the Cisco TAC Web Site.

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http://www.cisco.com

Technical Assistance Center

The Cisco TAC is available to all customers who need technical assistance with a Cisco product, technology, or solution. Two types of support are available through the Cisco TAC: the Cisco TAC Web Site and the Cisco TAC Escalation Center.

Inquiries to Cisco TAC are categorized according to the urgency of the issue:

- Priority level 4 (P4)—You need information or assistance concerning Cisco product capabilities, product installation, or basic product configuration.
- Priority level 3 (P3)—Your network performance is degraded. Network functionality is noticeably impaired, but most business operations continue.
- Priority level 2 (P2)—Your production network is severely degraded, affecting significant aspects of business operations. No workaround is available.
- Priority level 1 (P1)—Your production network is down, and a critical impact to business operations will occur if service is not restored quickly. No workaround is available.

Which Cisco TAC resource you choose is based on the priority of the problem and the conditions of service contracts, when applicable.

Cisco TAC Web Site

The Cisco TAC Web Site allows you to resolve P3 and P4 issues yourself, saving both cost and time. The site provides around-the-clock access to online tools, knowledge bases, and software. To access the Cisco TAC Web Site, go to the following URL:

http://www.cisco.com/tac

All customers, partners, and resellers who have a valid Cisco services contract have complete access to the technical support resources on the Cisco TAC Web Site. The Cisco TAC Web Site requires a Cisco.com login ID and password. If you have a valid service contract but do not have a login ID or password, go to the following URL to register:

http://www.cisco.com/register/

If you cannot resolve your technical issues by using the Cisco TAC Web Site, and you are a Cisco.com registered user, you can open a case online by using the TAC Case Open tool at the following URL:

http://www.cisco.com/tac/caseopen

If you have Internet access, it is recommended that you open P3 and P4 cases through the Cisco TAC Web Site.

Cisco TAC Escalation Center

The Cisco TAC Escalation Center addresses issues that are classified as priority level 1 or priority level 2; these classifications are assigned when severe network degradation significantly impacts business operations. When you contact the TAC Escalation Center with a P1 or P2 problem, a Cisco TAC engineer will automatically open a case.

To obtain a directory of toll-free Cisco TAC telephone numbers for your country, go to the following URL:

http://www.cisco.com/warp/public/687/Directory/DirTAC.shtml

Before calling, please check with your network operations center to determine the level of Cisco support services to which your company is entitled; for example, SMARTnet, SMARTnet Onsite, or Network Supported Accounts (NSA). In addition, please have available your service agreement number and your product serial number.

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